











GPIO Port A	Function	288 Inputs/Outputs	Stepper Motor	WiFi	Color Key
Pin 7:	LP_I2C1_SCL / IMU SCL				PINS W/ RESERVED FUNCTIONS
Pin 6:	LP_I2C1_SDA / IMU SDA				PIN MAPPED TO IMU
Pin 5:	SSIO CLK				PIN MAPPED TO TEST POINT
Pin 4:	SSIO Fss				PIN MAPPED TO LP FOR 288
Pin 3:	SSIO Rx				
Pin 2:	SSIO Tx				
Pin 1:	UART0 Tx				
Pin 0:	UART0 Rx				
GPIO Port B					
Pin 7:	IMU I2C ADDR / GPIO 1	T0CCP1	Motor Coil 4/ Add Parallel LED		
Pin 6:	IMU I2C RSTN / GPIO 2	MOPWM0	Motor Coil 3/ LED		
Pin 5:	SERVO_2		Motor Coil 2/ LED		
Pin 4:	IR1	AIN10	Motor Coil 1/ LED		
Pin 3:	PING_CAP_1	T3CCP1			
Pin 2:	IMU I2C INT / GPIO 3				
Pin 1:	LP_UART1_Tx		Shaft Encoder Channel A		
Pin 0:	LP_UART1_Rx		Shaft Encoder Channel B		
GPIO Port C					
Pin 7:					
Pin 6:					
Pin 5:	OI_UART4_Tx				
Pin 4:	OI_UART4_Rx				
Pin 3:	JTAG TCK/SWCLK				
Pin 2:	JTAG TMS/SWDIO				
Pin 1:	JTAG TDI				
Pin 0:	JTAG TDO/SWO				
GPIO Port D					
Pin 7:	ADDR_JMP_4				
Pin 6:	LCD_RW		LCD_RW		
Pin 3:	LCD_RS		LCD_RS		
Pin 2:	LCD_EN		LCD_EN		
Pin 1:	Connected to other ports through R9 and R10				
Pin 0:					
GPIO Port E	PUSH BUTTONS				
Pin 5:	AIN8		PB_SW6		
Pin 4:	AIN9		PB_SW5		
Pin 3:	PB_SW4		I2C0 SCL / PB_SW4		
Pin 2:	PB_SW3		I2C0 SDA / PB_SW3		
Pin 1:	PB_SW2		PB_SW2		
Pin 0:	PB_SW1		PB_SW1		
GPIO Port F					
Pin 4:	LCD DATA7		LCD DATA7		
Pin 3:	LCD DATA6		LCD DATA6		
Pin 2:	LCD DATA5		LCD DATA5		
Pin 1:	LCD DATA4		LCD DATA4		
Pin 0:	USR_SW2	OI shutoff			